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[54] **SYSTEM AND METHOD FOR PROVIDING MERCHANT INFORMATION AND ESTABLISHING LINKS TO MERCHANTS WHILE PRESENTING A MOVIE**

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[58] Field of Search **364/401; 348/13, 348/1, 7, 10, 17; 395/227, 762, 327**

[56] **References Cited**

U.S. PATENT DOCUMENTS

4,305,131	12/1981	Best	364/521
4,931,950	6/1990	Isle et al.	364/513
5,053,956	10/1991	Donald	364/401
5,111,409	5/1992	Gasper et al.	395/152
5,231,566	7/1993	Blutinger	364/401
5,307,456	4/1994	MacKay	395/154
5,309,355	5/1994	Lockwood	364/401
5,319,455	6/1994	Hoarty et al.	348/7
5,345,549	9/1994	Appel et al.	395/154
5,353,391	10/1994	Cohen et al.	395/125
5,367,621	11/1994	Cohen et al.	395/154
5,388,993	2/1995	McKiel et al.	434/118
5,404,316	4/1995	Klingler et al.	395/161
5,414,808	5/1995	Williams	395/154
5,440,678	8/1995	Eisen et al.	395/154
5,451,998	9/1995	Hamrick	348/13
5,485,611	1/1996	Astle	395/600
5,515,490	5/1996	Buchanan et al.	395/154
5,539,450	7/1996	Handelman	348/12

OTHER PUBLICATIONS

Cowart, Robert, "Master Windows @ 3.1", SYBEX, 1992, p. 31.

Ozer, "Digital Video: Shot by Shot", *PC Magazine*, vol. 14, No. 7, Apr. 11, 1995, pp. 104-110.

Sahai, "Video Thrills for Digital De Milles: Adobe Premiere 4.0", *Windows Magazine*, vol. 6, No. 1, Jan. 1, 1995, p. 140 (abstract only).

Simone, "Video-editing Software: Digital Master", *PC Magazine*, vol. 14, No. 7, Apr. 11, 1995, pp. 144-145.

Multimedia Scouting *IEEE Computer Graphics and Appl* Jul. 1991 p. 26.

Seybold vol. 7 No. 3 Nov. 2, 1992.

The Bard of CD-ROM, Charles Boisseau *Houston Chronicle* Oct. 5, 1992.

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[57] **ABSTRACT**

A system and method for providing on demand access to information related to a movie while the movie is being presented to a user, where the movie was generated from the movie related information, are described. The system operates by presenting the movie to the user, and then receiving from the user a query pertaining to the movie. The system determines a frame of the movie that was being presented to the user when the user issued the query (the system may extract this information from the query, or may extract this information from the movie itself). The system identifies, as specified by the query, portions of the movie related information relating to the frame, and retrieves those portions of the movie related information. These retrieved portions of said movie related information are presented to the user. Also discussed is a manager to enable users to create personalized versions of movies, and personalized collections of items. Also discussed is a system and method for providing to users on demand access to merchandise information related to a movie, and for providing on demand connectivity to merchants, while the movie is being presented to the users.

16 Claims, 18 Drawing Sheets

